

CENTER FOR DISEASE CONTROL

Morbidity and Mortality



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For Week Ending July 27, 1974

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE PUBLIC HEALTH SERVICE

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AUG 2 1974

EPIDEMIOLOGIC NOTES AND REPORTS
BOTULISM - Washington

On February 2, 1974, an 80-year-old Seattle man became ill with nausea, vomiting, and anorexia. These symptoms subsided, but 6 hours later he began having diplopia, dysphagia, and dysarthria. The next day he was hospitalized with an initial diagnosis of either cerebrovascular accident or myasthenia gravis.

On February 4, the patient became paralyzed and required respiratory assistance. The diagnosis of botulism was made, and he was given 2 vials of trivalent (ABE) botulinum antitoxin.

On February 4, the patient's 77-year-old wife vomited and later that evening developed diplopia and dysarthria. Since her husband was thought to have botulism, she was

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promptly hospitalized and given 2 vials of trivalent botulinum antitoxin. Nevertheless, she experienced progressive descending paralysis over the next 24 hours and required ventilatory assistance. Both patients were treated in an intensive care unit and both survived; however, the man is still hospitalized with residual weakness and dysphagia. Type A botulinum toxin

TABLE I. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
(Cumulative totals include revised and delayed reports through previous weeks)

DISEASE	30th WEEK ENDING		MEDIAN 1969-1973	CUMULATIVE, FIRST 30 WEEKS		
	July 27, 1974	July 28, 1973		1974	1973	MEDIAN 1969-1973
Aseptic meningitis	100	154	137	1,314	1,667	1,492
Brucellosis	3	4	4	92	108	108
Chickenpox	603	487	---	97,504	143,127	---
Diphtheria	---	3	3	154	110	94
Encephalitis:						
Primary: Arthropod-borne and unspecified	22	34	31	491	685	685
Post-Infectious	6	5	6	158	182	190
Hepatitis, Viral:						
Type B	230	191	157	5,416	4,553	4,553
Type A	817	914	914	24,665	29,197	32,036
Type unspecified	192	---	---	4,840	---	---
Malaria	6	3	28	106	138	1,548
Measles (rubeola)	268	189	259	19,102	23,427	25,935
Meningococcal infections, total	19	18	31	870	956	1,613
Civilian	19	17	30	847	932	1,430
Military	---	1	1	23	24	174
Mumps	362	481	733	42,585	52,908	64,586
Pertussis	73	---	---	816	---	---
Rubella (German measles)	107	164	251	9,086	25,330	36,919
Tetanus	9	1	2	40	47	63
Tuberculosis, new active	575	613	---	17,743	18,313	---
Tularemia	5	2	6	85	93	86
Typhoid fever	8	5	6	213	414	171
Typhus, tick-borne (Rky. Mt. spotted fever)	46	27	25	466	386	258
Venereal Diseases:						
Gonorrhea	19,705	18,463	---	498,674	457,022	---
Syphilis, primary and secondary	508	521	---	13,841	14,096	---
Rabies in animals	53	87	76	1,593	2,155	2,158

TABLE II. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	2	Poliomyelitis, total: Mich. 1	3
Botulism:	9	Paralytic: Mich. 1	3
Congenital rubella syndrome:	34	Psittacosis: Mo. 46, Tex. 12	75
Leprosy: N.Y. Ups. 1	61	Rabies in man:	---
Leptospirosis:	24	Trichinosis:	61
Plague:	1	Typhus, murine:	13

BOTULISM – Continued

was demonstrated in a pretreatment serum specimen from the man.

Epidemiologic investigation revealed that on the evening of February 1 the couple had eaten corn which they had grown and canned the previous summer. No corn from this container was available for examination. The patient's 39-year-old son, who had not eaten corn from the suspect container, remained well. Type A botulinum toxin was detected in corn from an unopened container obtained from the patients' home.

An additional 15 pints of corn, left over from previous years, were found in the patients' home; lids of 5 of these jars were slightly swollen, and the contents smelled spoiled. With the son's consent, all 15 pints were destroyed. One additional pint jar had been given to a friend. This jar, which had not been opened, had a swollen lid and was also destroyed.

For 15 years, the woman had processed home-canned corn by an "open kettle, boiling water" technique. Sealed glass jars of corn were boiled in water for approximately 30 minutes. No pressure cooker was used. Before serving the

corn, the woman always heated the contents of the jar for 3 to 10 minutes.

(Reported by A. H. B. Pedersen, M.D., M.P.H., Director, Acute Illness Division, Epidemiology Section, Herbert W. Anderson, R.S., Environmental Epidemiologist, Paul Bonin, M.A., Director and Evelyn Tronca, M.S., Assistant Director, Laboratory, Seattle-King County Department of Public Health; Thieu L. Nghiem, M.D., Dr.P.H., State Epidemiologist, Health Services Division, Washington Department of Social and Health Services; and an EIS Officer.)

Editorial Note

Corn, a low-acid vegetable, should be canned under pressure to destroy *Clostridium botulinum* spores (1). Although type A botulinum toxin is heat labile (2), the toxin was not inactivated by heating the corn for 3 to 10 minutes, either because an inadequate temperature was achieved or because the heat was not distributed equally through the corn.

References

1. Blue Book: The Easy Way to Can. 29th ed. Muncie, Ind., Ball Corp., 1972
2. Cartwright TE, Lauffer MA: Temperature effects on botulinum A toxin. Proc Soc Exp Biol Med 98:327-330, 1958

SURVEILLANCE SUMMARY**RABIES – United States, 1973**

In 1973, 3,698 laboratory-confirmed cases of rabies were reported for the United States, 729 fewer cases than for 1972, and 4% below the average for the preceding 5 years. Rabies was reported in 2,930 wild animals (79%), in 767 domestic animals, and in 1 human. Rabies cases were re-

ported from all the contiguous states, except Wyoming, and from Alaska and Puerto Rico (Figure 1). Hawaii, the District of Columbia, Guam, and the Virgin Islands reported no cases. California (401) and Minnesota (373) reported the most cases.

(Continued on page 267)

Figure 1
CONFIRMED RABIES CASES IN THE UNITED STATES, BY STATE – 1973



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TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDING JULY 27, 1974 AND JULY 28, 1973 (30th WEEK)

AREA	ASEPTIC MENIN- GITIS	BRUCEL- LOSIS	CHICKEN- POX	DIPHTHERIA		ENCEPHALITIS			HEPATITIS, VIRAL			MALARIA	
						Primary: Arthropod- borne and Unspecified		Post In- fectious	Type B	Type A	Type Unspecified		
						1974	1973	1974	1974	1974	1974		
UNITED STATES	100	3	603	-	154	22	34	6	230	817	192	6	106
NEW ENGLAND	1	-	57	-	-	1	1	-	10	22	9	-	5
Maine *	-	-	3	-	-	-	-	-	-	1	-	-	-
New Hampshire *	-	-	-	-	-	-	-	-	-	1	-	-	-
Vermont	-	-	1	-	-	-	-	-	-	-	1	-	-
Massachusetts	-	-	-	-	-	-	-	-	1	5	8	-	1
Rhode Island	1	-	21	-	-	-	1	-	-	6	-	-	3
Connecticut	-	-	32	-	-	1	-	-	9	9	-	-	1
MIDDLE ATLANTIC	10	-	61	-	1	2	-	2	51	108	61	-	16
Upstate New York	3	-	20	-	-	1	-	-	5	15	1	-	4
New York City	-	-	41	-	-	-	-	-	2	6	-	-	6
New Jersey	6	-	NN	-	-	1	-	-	33	70	56	-	3
Pennsylvania *	1	-	-	-	1	-	-	2	11	17	4	-	3
EAST NORTH CENTRAL	5	-	307	-	2	3	8	2	41	179	21	-	9
Ohio	1	-	43	-	1	-	3	1	17	40	-	-	4
Indiana	-	-	13	-	-	-	-	-	1	13	-	-	-
Illinois	-	-	-	-	1	3	-	1	9	56	18	-	2
Michigan	2	-	132	-	-	-	5	-	13	54	3	-	2
Wisconsin	2	-	119	-	-	-	-	-	1	16	-	-	1
WEST NORTH CENTRAL	11	1	15	-	-	3	2	-	2	32	11	-	3
Minnesota	-	-	1	-	-	-	-	-	2	8	1	-	1
Iowa *	4	1	4	-	-	-	-	-	-	1	-	-	-
Missouri	7	-	-	-	-	3	-	-	-	11	8	-	1
North Dakota	-	-	-	-	-	-	2	-	-	6	-	-	-
South Dakota	-	-	-	-	-	-	-	-	-	1	-	-	1
Nebraska	-	-	-	-	-	-	-	-	-	-	-	-	-
Kansas	-	-	10	-	-	-	-	-	-	5	2	-	-
SOUTH ATLANTIC	24	-	73	-	1	2	6	-	28	134	30	1	18
Delaware	-	-	1	-	-	-	-	-	-	-	-	-	-
Maryland	4	-	1	-	-	-	-	-	3	3	2	-	2
District of Columbia	-	-	-	-	-	-	-	-	-	2	-	-	2
Virginia *	4	-	11	-	-	-	1	-	4	13	10	1	4
West Virginia	-	-	48	-	-	-	-	-	-	3	-	-	-
North Carolina	-	-	NN	-	1	-	2	-	7	14	3	-	4
South Carolina	2	-	12	-	-	1	-	-	-	5	3	-	-
Georgia	-	-	-	-	-	-	-	-	-	17	-	-	1
Florida	14	-	-	-	-	1	3	-	14	77	12	-	5
EAST SOUTH CENTRAL	2	1	5	-	-	3	2	-	7	72	1	1	4
Kentucky *	-	-	2	-	-	-	-	-	1	29	1	1	3
Tennessee	2	1	NN	-	-	1	2	-	1	31	-	-	1
Alabama *	-	-	-	-	-	-	-	-	2	6	-	-	-
Mississippi	-	-	3	-	-	2	-	-	3	6	-	-	-
WEST SOUTH CENTRAL	20	1	18	-	9	5	10	-	19	90	9	2	9
Arkansas	-	-	8	-	-	1	-	-	-	7	3	-	1
Louisiana	14	-	NN	-	-	1	-	-	1	11	2	-	1
Oklahoma	-	1	1	-	-	2	10	-	3	14	4	1	3
Texas	6	-	9	-	9	1	-	-	15	58	-	1	4
MOUNTAIN	2	-	44	-	28	-	-	-	6	20	29	-	4
Montana	2	-	31	-	-	-	-	-	-	3	-	-	-
Idaho	-	-	-	-	-	-	-	-	-	4	-	-	-
Wyoming	-	-	-	-	-	-	-	-	-	1	-	-	-
Colorado	-	-	5	-	-	-	-	-	1	3	19	-	2
New Mexico	-	-	8	-	10	-	-	-	1	3	-	-	1
Arizona	-	-	-	-	18	-	-	-	3	2	6	-	-
Utah	-	-	-	-	-	-	-	-	-	-	4	-	-
Nevada	-	-	-	-	-	-	-	-	1	4	-	-	1
PACIFIC	25	-	23	-	113	3	5	2	66	160	21	2	38
Washington	-	-	7	-	104	-	-	-	5	5	5	-	-
Oregon	-	-	5	-	-	-	1	1	5	23	-	-	1
California	25	-	-	-	5	3	4	1	53	122	16	2	37
Alaska	-	-	2	-	4	-	-	-	1	3	-	-	-
Hawaii	-	-	9	-	-	-	-	-	2	7	-	-	-
Guam *	-	-	-	-	-	-	-	-	-	-	-	-	2
Puerto Rico	-	-	9	-	-	-	-	-	-	-	11	-	1
Virgin Islands	-	-	4	-	-	-	-	-	-	-	-	-	-

*Delayed reports: Chickenpox: Me 13, N.H. 2, Guam 2
Encephalitis: Post: Pa. delete 1, (1973), Pa. 1
Hepatitis B: Ky. 1, Ala. 4, Guam 1, (1973), Pa. 1

Hepatitis A: N.H. 2, Iowa delete 1, Va. delete 4, Ky. delete 1,
Ala. 5, Guam 9, (1973), Pa. 2
Hepatitis, unspecified: N.H. 2, Guam 19

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
 FOR WEEKS ENDING JULY 27, 1974 AND JULY 28, 1973 (30th WEEK) - Continued

AREA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			MUMPS		PERTUSSIS	RUBELLA		TETANUS
	1974	Cumulative		1974	Cumulative		1974	Cum. 1974	1974	1974	Cum. 1974	Cum. 1974
		1974	1973		1974	1973						
UNITED STATES	268	19,102	23,427	19	870	956	362	42,585	73	107	9,086	40
NEW ENGLAND	11	886	7,310	-	47	44	28	5,712	1	7	902	-
Maine *	-	39	64	-	2	1	-	774	-	1	244	-
New Hampshire *	-	197	855	-	11	6	-	270	-	-	16	-
Vermont	-	57	118	-	1	2	-	28	-	-	18	-
Massachusetts *	8	367	3,879	-	13	12	5	930	-	4	320	-
Rhode Island	1	59	602	-	7	3	19	2,310	-	-	18	-
Connecticut	2	167	1,792	-	13	20	4	1,400	1	2	286	-
MIDDLE ATLANTIC	113	7,756	2,312	3	116	127	45	3,396	3	7	992	2
Upstate New York	55	870	773	-	47	45	16	822	-	2	223	1
New York City	8	528	851	-	15	26	17	559	3	2	122	-
New Jersey *	40	5,486	377	3	39	28	8	646	-	3	429	1
Pennsylvania	10	872	311	-	15	28	4	1,369	-	-	218	-
EAST NORTH CENTRAL	106	7,429	8,262	4	103	123	106	12,290	34	56	3,021	7
Ohio	2	2,991	278	1	35	54	18	3,051	-	2	482	2
Indiana	3	209	613	-	9	4	10	940	-	14	487	-
Illinois	81	1,915	1,987	-	10	24	19	1,067	9	7	488	3
Michigan	12	1,881	4,282	1	33	36	23	5,293	20	21	1,139	1
Wisconsin	8	433	1,102	2	16	5	36	1,939	5	12	425	1
WEST NORTH CENTRAL	7	680	431	1	71	74	12	2,621	5	-	206	8
Minnesota	2	81	19	1	22	6	-	35	-	-	11	1
Iowa	-	134	276	-	13	17	2	1,611	-	-	15	-
Missouri	4	260	48	-	18	31	8	361	4	-	32	2
North Dakota	1	26	56	-	3	3	-	23	-	-	11	2
South Dakota	-	27	-	-	3	4	-	2	1	-	25	-
Nebraska	-	2	5	-	3	6	2	77	-	-	6	-
Kansas	-	150	27	-	9	7	-	512	-	-	106	3
SOUTH ATLANTIC	12	454	1,169	5	174	161	69	5,045	4	12	979	11
Delaware	-	6	8	-	3	1	1	87	-	-	24	-
Maryland	-	22	12	-	18	22	1	93	-	-	2	-
District of Columbia	-	3	5	-	-	4	1	47	-	-	4	-
Virginia	-	21	409	1	29	29	19	508	2	-	38	3
West Virginia	12	141	189	-	6	4	16	2,855	-	9	165	-
North Carolina	-	4	4	-	37	35	NN	NN	2	-	53	2
South Carolina	-	44	56	1	16	10	-	105	-	1	546	1
Georgia	-	4	147	-	7	20	-	-	-	-	2	-
Florida	-	209	339	3	58	36	31	1,350	-	2	145	5
EAST SOUTH CENTRAL	7	186	587	1	93	89	53	5,356	5	10	476	2
Kentucky	6	123	363	-	37	31	18	2,163	2	2	171	-
Tennessee	1	34	165	-	42	36	32	2,345	2	8	234	1
Alabama	-	16	5	-	9	15	2	478	1	-	56	-
Mississippi	-	13	54	1	5	7	1	370	-	-	15	1
WEST SOUTH CENTRAL	1	166	630	2	146	147	8	2,930	4	2	294	3
Arkansas	-	6	69	1	11	13	-	124	4	-	8	-
Louisiana	-	13	84	-	28	30	2	197	-	-	59	1
Oklahoma	1	24	51	-	15	25	-	355	-	2	36	-
Texas	-	123	426	1	92	79	6	2,254	-	-	191	2
MOUNTAIN	3	721	566	1	27	30	6	1,004	-	7	391	-
Montana	-	372	15	-	1	6	-	168	-	-	65	-
Idaho	-	50	246	-	2	4	-	156	-	-	12	-
Wyoming	-	1	77	-	3	-	-	9	-	-	-	-
Colorado	-	29	100	1	7	9	3	484	-	-	158	-
New Mexico	2	54	112	-	2	3	3	165	-	7	109	-
Arizona	1	13	14	-	5	4	-	-	-	-	-	-
Utah	-	3	1	-	4	2	-	18	-	-	14	-
Nevada	-	199	1	-	3	2	-	4	-	-	33	-
PACIFIC	8	824	2,160	2	93	161	35	4,231	17	6	1,825	7
Washington	-	55	996	-	9	17	7	1,515	-	2	329	-
Oregon	-	-	449	2	11	12	7	737	8	1	193	1
California	8	709	632	-	67	126	19	1,830	9	3	1,289	6
Alaska	-	-	65	-	3	6	-	96	-	-	-	-
Hawaii	-	60	18	-	3	-	2	53	-	-	14	-
Guam *	-	13	37	-	1	-	-	337	-	-	5	-
Puerto Rico	-	545	1,711	-	4	7	10	819	1	-	21	3
Virgin Islands	2	24	-	-	-	-	-	30	-	-	-	1

*Delayed reports: Measles: Mass. delete 2, Guam 2
 Meningococcal Infection: N.H. 1, N.J. 1
 Mumps: Me. 4, Guam 8
 Rubella: Me. 1

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**TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES
FOR WEEKS ENDING JULY 27, 1974 AND JULY 28, 1973 (30th WEEK) - Continued**

AREA	TUBERCULOSIS (New Active)		TULA- REMIA	TYPHOID FEVER		TYPHUS-FEVER TICK-BORNE (Rky. Mt. spotted fever)		VENEREAL DISEASES					RABIES IN ANIMALS	
	1974	Cum. 1974		1974	1974	Cum. 1974	1974	Cum. 1974	GONORRHEA		SYPHILIS (Pri. & Sec.)			Cum. 1974
			1974						Cumulative 1974 1973	1974	Cumulative 1974 1973			
UNITED STATES	575	17,743	85	8	213	46	466	19,705	498,674	457,022	508	13,841	14,096	1,593
NEW ENGLAND	19	704	-	-	6	2	6	554	11,961	12,741	19	291	414	10
Maine	-	56	-	-	-	-	-	67	1,033	704	6	22	14	1
New Hampshire	1	17	-	-	1	-	-	18	409	438	-	9	4	2
Vermont	1	15	-	-	-	-	-	19	374	195	-	1	13	1
Massachusetts	11	389	-	-	2	2	4	179	4,928	6,125	4	118	201	3
Rhode Island	3	66	-	-	2	-	2	30	1,124	1,289	-	10	10	3
Connecticut	3	161	-	-	1	-	-	241	4,093	3,990	9	131	172	-
MIDDLE ATLANTIC	94	3,130	2	-	30	6	44	2,375	60,250	63,975	126	3,055	3,260	19
Upstate New York	-	421	2	-	6	2	21	293	11,355	11,266	7	295	204	10
New York City	39	1,209	-	-	20	-	-	1,242	26,279	30,120	71	1,754	2,036	-
New Jersey	24	604	-	-	4	1	3	222	8,114	8,984	22	491	578	1
Pennsylvania	31	896	-	-	-	3	20	618	14,502	13,605	26	515	442	8
EAST NORTH CENTRAL	81	2,389	5	1	20	-	8	2,586	70,929	53,383	18	969	775	106
Ohio *	19	661	-	-	5	-	6	726	21,207	17,298	3	158	164	-
Indiana	5	352	-	-	1	-	-	224	7,323	6,276	1	103	179	10
Illinois	25	692	3	1	7	-	2	522	16,829	7,716	-	413	106	22
Michigan	28	630	-	-	6	-	-	761	17,755	16,379	7	233	285	1
Wisconsin	4	54	2	-	1	-	-	353	7,815	5,714	7	62	41	73
WEST NORTH CENTRAL	27	650	15	-	7	-	3	1,245	26,220	25,213	12	344	201	381
Minnesota	5	109	-	-	3	-	-	284	5,940	5,162	1	47	62	151
Iowa	3	69	-	-	1	-	1	294	3,492	3,348	3	23	42	83
Missouri	10	316	11	-	1	-	2	318	8,463	8,565	6	232	74	22
North Dakota	-	16	2	-	-	-	-	17	389	361	-	3	1	82
South Dakota	2	37	2	-	-	-	-	48	1,246	1,308	-	2	3	1
Nebraska	1	31	-	-	-	-	-	115	2,144	2,603	-	7	3	3
Kansas	6	72	-	-	2	-	-	169	4,546	3,866	2	30	16	39
SOUTH ATLANTIC	122	3,729	8	2	31	20	267	5,816	128,491	114,671	179	4,479	4,107	211
Delaware	3	54	-	-	-	1	4	---	1,655	1,572	---	47	58	1
Maryland	13	487	-	-	2	1	38	724	13,175	9,697	10	450	414	13
District of Columbia	7	231	-	-	1	-	-	418	9,409	9,470	16	377	514	-
Virginia	12	469	3	-	1	5	83	638	11,013	11,350	9	477	425	61
West Virginia	5	175	-	-	8	1	4	76	1,499	1,726	-	9	14	23
North Carolina *	23	586	3	-	3	6	66	652	16,669	16,782	34	553	353	18
South Carolina	6	366	-	1	3	3	42	402	13,529	12,212	21	503	612	3
Georgia	23	517	2	-	2	3	28	1,571	27,287	22,115	19	486	657	65
Florida	30	844	-	1	11	-	2	1,335	34,255	29,747	70	1,577	1,060	27
EAST SOUTH CENTRAL	39	1,562	9	4	30	11	69	1,536	42,949	38,114	31	716	901	164
Kentucky *	7	362	2	2	14	1	8	209	5,243	4,687	8	164	336	104
Tennessee	11	505	5	2	12	8	45	712	16,901	14,344	12	283	250	39
Alabama *	12	454	2	-	2	-	7	407	11,816	10,786	4	132	101	20
Mississippi	9	241	-	-	2	2	9	208	8,989	8,297	7	137	214	1
WEST SOUTH CENTRAL	90	2,317	37	-	20	7	61	2,534	69,007	63,020	38	1,330	1,601	400
Arkansas	9	294	23	-	1	-	7	461	6,832	7,731	1	65	93	55
Louisiana *	20	279	2	-	8	-	1	455	13,999	13,224	8	379	484	19
Oklahoma	9	182	10	-	1	7	47	214	6,135	6,306	1	81	103	97
Texas	52	1,562	2	-	10	-	6	1,404	42,041	35,759	28	805	921	229
MOUNTAIN	18	570	5	-	12	-	6	732	18,982	16,590	4	320	437	91
Montana *	3	50	-	-	-	-	1	6	1,048	936	-	3	3	2
Idaho	-	22	-	-	-	-	1	34	1,089	1,014	-	7	7	-
Wyoming	1	13	2	-	3	-	1	6	381	276	-	5	20	8
Colorado	2	105	-	-	-	-	1	291	5,292	4,420	1	75	126	27
New Mexico	-	110	2	-	2	-	1	109	2,798	2,907	1	42	47	28
Arizona *	11	211	1	-	6	-	-	171	5,758	4,821	2	125	90	25
Utah	-	23	-	-	-	-	1	46	1,005	848	-	9	8	1
Nevada	1	36	-	-	1	-	-	69	1,611	1,368	-	54	136	-
PACIFIC	85	2,692	4	1	57	-	2	2,327	69,885	69,315	81	2,337	2,400	211
Washington	10	185	-	-	11	-	-	261	6,571	6,324	-	53	89	-
Oregon	4	111	-	-	-	-	2	225	6,026	6,134	1	48	43	8
California	58	2,138	4	1	45	-	-	1,703	54,191	53,853	80	2,204	2,168	195
Alaska	8	57	-	-	-	-	-	88	1,561	1,704	-	10	45	8
Hawaii	5	201	-	-	1	-	-	50	1,536	1,300	-	22	55	-
Guam *	-	24	-	-	-	-	-	-	161	184	-	2	1	-
Puerto Rico	4	308	-	-	3	-	-	18	1,772	2,499	7	498	448	35
Virgin Islands	-	3	-	-	-	-	-	24	189	138	10	30	15	-

*Delayed reports: Tuberculosis: Ohio delete 1, N.C. delete 1, Ky. delete 2
 Mont. 2, Ariz. delete 1
 Typhoid: La. 1
 RMSF: Ala. 1
 Gonorrhoea: La. delete 1, Guam 7

Week No.

TABLE IV. DEATHS IN 121 UNITED STATES CITIES FOR WEEK ENDING JULY 27, 1974

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(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	All Causes					Pneumonia and Influenza All Ages	Area	All Causes					Pneumonia and Influenza All Ages
	All Ages	65 years and over	45-64 years	25-44 years	Under 1 year			All Ages	65 years and over	45-64 years	25-44 years	Under 1 year	
NEW ENGLAND	615	365	185	29	17	38	SOUTH ATLANTIC	1,290	706	324	104	97	44
Boston, Mass.	176	97	55	10	5	14	Atlanta, Ga.	125	57	35	20	6	7
Bridgeport, Conn.	36	23	9	1	2	2	Baltimore, Md.	233	136	59	20	8	3
Cambridge, Mass.	18	13	4	-	-	4	Charlotte, N. C.	49	26	14	6	2	1
Fall River, Mass.	37	26	8	1	-	2	Jacksonville, Fla.	70	42	19	1	3	-
Hartford, Conn.	52	25	18	4	3	5	Miami, Fla.	119	71	29	7	8	2
Lowell, Mass.	22	14	8	-	-	1	Norfolk, Va.	53	28	15	2	6	2
Lynn, Mass.	20	13	6	-	1	-	Richmond, Va.	98	51	32	7	2	8
New Bedford, Mass.	17	13	3	1	-	-	Savannah, Ga.	63	35	17	4	1	3
New Haven, Conn.	36	16	17	3	-	-	St. Petersburg, Fla.	120	101	10	4	3	4
Providence, R. I.	67	35	24	2	5	6	Tampa, Fla.	81	44	15	5	10	7
Somerville, Mass.	11	10	1	-	-	-	Washington, D. C.	252	97	74	24	48	7
Springfield, Mass.	40	25	11	3	-	3	Washington, Del.	27	18	5	4	-	-
Waterbury, Conn.	31	20	7	3	-	-	EAST SOUTH CENTRAL	642	381	156	47	20	29
Worcester, Mass.	52	35	14	1	1	1	Birmingham, Ala.	100	62	22	7	3	-
MIDDLE ATLANTIC	3,266	1,966	882	212	90	136	Chattanooga, Tenn.	55	30	11	6	2	5
Albany, N. Y.	55	33	15	-	4	1	Knoxville, Tenn.	45	31	10	3	1	-
Allentown, Pa.	21	15	4	1	-	1	Louisville, Ky.	99	61	19	13	2	11
Buffalo, N. Y.	141	83	39	13	2	9	Memphis, Tenn.	135	76	41	5	2	1
Camden, N. J.	48	23	13	5	4	2	Mobile, Ala.	56	33	15	2	4	1
Elizabeth, N. J.	35	22	7	3	1	-	Montgomery, Ala.	44	28	9	3	2	4
Erie, Pa.	34	24	9	-	-	-	Nashville, Tenn.	108	60	29	8	4	7
Jersey City, N. J.	69	40	20	3	2	3	WEST SOUTH CENTRAL	1,368	716	400	106	73	40
Newark, N. J.	70	34	25	3	5	6	Austin, Tex.	33	17	8	1	5	2
New York City, N. Y. †	1,602	988	405	118	36	78	Baton Rouge, La.	133	80	32	10	3	5
Paterson, N. J.	37	22	8	4	1	1	Corpus Christi, Tex.	37	25	6	2	2	-
Philadelphia, Pa.	600	339	181	42	20	5	Dallas, Tex.	187	92	65	12	11	5
Pittsburgh, Pa.	194	114	57	5	9	7	El Paso, Tex.	47	28	9	4	4	6
Reading, Pa.	32	24	6	1	1	2	Fort Worth, Tex.	83	51	21	7	1	-
Rochester, N. Y.	107	66	30	4	2	13	Houston, Tex.	315	156	108	26	13	3
Schenectady, N. Y.	26	16	9	-	-	1	Little Rock, Ark.	86	52	11	11	3	5
Scranton, Pa.	54	37	15	1	1	1	New Orleans, La.	161	71	50	12	19	4
Syracuse, N. Y.	74	45	21	3	2	2	San Antonio, Tex.	148	77	44	14	7	1
Trenton, N. J.	25	16	8	1	-	3	Shreveport, La.	63	25	22	5	2	5
Utica, N. Y.	20	9	8	2	-	1	Tulsa, Okla.	75	42	24	2	3	4
Yonkers, N. Y.	22	16	2	3	-	-	MOUNTAIN	505	273	131	34	32	14
EAST NORTH CENTRAL	2,384	1,349	658	158	127	73	Albuquerque, N. Mex.	71	28	19	6	7	4
Akron, Ohio	58	36	14	3	1	1	Colorado Springs, Colo.	36	21	8	2	4	2
Canton, Ohio	32	19	9	1	3	2	Denver, Colo.	111	67	28	9	2	3
Chicago, Ill.	619	339	171	52	32	10	Las Vegas, Nev.	32	12	13	2	2	-
Cincinnati, Ohio	150	88	42	10	2	-	Ogden, Utah	17	9	3	1	2	1
Cleveland, Ohio	196	100	63	15	13	4	Phoenix, Ariz.	116	65	26	8	10	3
Columbus, Ohio	133	62	44	11	11	4	Pueblo, Colo.	12	7	4	-	1	1
Dayton, Ohio	107	69	25	7	3	5	Salt Lake City, Utah	48	27	11	1	4	-
Detroit, Mich.	299	163	82	18	26	10	Tucson, Ariz.	62	37	19	5	-	-
Evansville, Ind.	45	29	12	3	-	4	PACIFIC	1,667	1,021	428	106	54	33
Fort Wayne, Ind.	51	38	7	-	5	5	Berkeley, Calif.	13	11	2	-	-	1
Gary, Ind.	50	19	18	3	6	7	Fresno, Calif.	59	32	14	3	5	-
Grand Rapids, Mich.	42	24	12	-	2	5	Glendale, Calif.	32	25	5	1	1	-
Indianapolis, Ind.	163	87	47	19	2	3	Honolulu, Hawaii	43	20	15	2	2	1
Madison, Wis.	40	18	12	2	6	6	Long Beach, Calif.	104	65	28	6	2	1
Milwaukee, Wis.	131	82	37	6	1	1	Los Angeles, Calif.	541	335	137	39	12	7
Peoria, Ill.	37	29	-	1	6	-	Oakland, Calif.	66	44	15	3	4	2
Rockford, Ill.	37	24	10	2	-	2	Pasadena, Calif.	30	21	6	2	1	-
South Bend, Ind.	36	23	9	1	1	3	Portland, Ore.	124	72	33	11	3	1
Toledo, Ohio	110	68	31	3	5	1	Sacramento, Calif.	69	42	20	4	2	1
Youngstown, Ohio	48	32	13	1	2	-	San Diego, Calif.	109	63	34	7	1	1
WEST NORTH CENTRAL	867	537	212	43	38	37	San Francisco, Calif.	201	118	52	13	8	8
Des Moines, Iowa	71	38	21	3	6	9	San Jose, Calif.	57	35	13	4	2	2
Duluth, Minn.	15	9	4	-	1	2	Seattle, Wash.	130	85	31	6	4	3
Kansas City, Kans.	39	25	6	3	3	2	Spokane, Wash.	46	28	10	3	4	1
Kansas City, Mo.	167	107	35	12	7	2	Tacoma, Wash.	43	25	13	2	3	4
Lincoln, Nebr.	19	11	5	-	1	-	Total	12,604	7,314	3,376	839	548	444
Minneapolis, Minn.	94	62	21	5	2	4	Expected Number	11,678	6,736	3,171	806	430	328
Omaha, Nebr.	79	53	17	1	5	1							
St. Louis, Mo.	231	129	74	15	4	7							
St. Paul, Minn.	66	50	10	-	4	1							
Wichita, Kans.	86	53	19	4	5	9							

†Delayed report for week ending July 20, 1974

RABIES – Continued

The animals most frequently reported infected by percentage of the total cases were skunks (50%), foxes (13%), bats (12%), cattle (10%), dogs (5%), cats (4%), and raccoons (3%). The 180 cases in dogs is the lowest recorded for the United States since records have been kept.

The 1 human case of rabies in 1973 was in a 26-year-old man from Lexington, Kentucky, who had onset 22 days after he was bitten by a bat; he died 14 days later despite intensive medical support. This was the ninth human case of bat-associated rabies in the United States since 1951. Although bat rabies accounts for only 15% of reported wildlife rabies,

bat-associated rabies has been the most frequent source of human infection in the United States since 1970.

(Reported by the Rabies Control Section, Viral Diseases Division, Bureau of Epidemiology, CDC.)

Copies of the original report from which these data were derived are available on request from

Center for Disease Control
Attn.: Chief, Rabies Control Section
Bureau of Epidemiology
Lawrenceville, Georgia 30245

CURRENT TRENDS
INFECTIOUS SYPHILIS – United States, May 1974

Reported cases of primary and secondary syphilis in the United States increased by 6.8% in May 1974 compared with May 1973 (provisional data). During the first 5 months of calendar year 1974, reported cases decreased by 1.0%, and during the first 11 months of fiscal year 1974 (July-May 1974) cases decreased by 1.1% over the number reported during the same time periods in the previous year.

Increases of cases have now occurred in both April and May 1974 and are, in most instances, attributable to specific outbreaks. These outbreaks should serve as a reminder to all program areas not to relax syphilis control efforts because of temporary declines in reported cases.

(Reported by the Venereal Disease Control Division, Bureau of State Services, CDC.)

SUMMARY OF REPORTED CASES OF INFECTIOUS SYPHILIS

CASES OF PRIMARY AND SECONDARY SYPHILIS: By Reporting Areas May 1974 and May 1973 – Provisional Data

Reporting Area	May		Calendar Year Cumulative		Reporting Area	May		Calendar Year Cumulative	
	1974	1973	Jan. 1974	May 1973		1974	1973	Jan. 1974	May 1973
Connecticut	7	15	70	116	Arkansas	17	3	57	63
Maine	4	2	12	11	Louisiana	55	93	282	353
Massachusetts	50	56	269	333	New Mexico	3	7	35	31
New Hampshire	0	0	3	5	Oklahoma	11	12	63	85
Rhode Island	2	1	6	8	Texas	95	127	557	664
Vermont	0	2	1	10	DHEW REGION VI TOTAL	181	242	994	1,196
DHEW REGION I TOTAL	63	76	361	483	Iowa	1	0	14	13
New Jersey	92	89	376	423	Kansas	5	0	26	14
New York (Excluding NYC)	45	30	229	156	Missouri	33	7	160	45
New York City	305	295	1,314	1,489	Nebraska	0	1	3	2
DHEW REGION II TOTAL	442	414	1,919	2,068	DHEW REGION VII TOTAL	39	8	203	74
Delaware	8	12	37	43	Colorado	12	20	52	104
District of Columbia	51	72	264	325	Montana	0	0	0	0
Maryland (Excluding Baltimore)	27	23	105	111	North Dakota	2	0	2	1
Baltimore	42	57	211	232	South Dakota	0	0	2	1
Pennsylvania (Excluding Philadelphia)	22	13	87	107	Utah	1	1	6	8
Philadelphia	61	36	282	189	Wyoming	0	0	2	2
Virginia	43	70	337	320	DHEW REGION VIII TOTAL	15	21	64	116
West Virginia	2	1	9	8	Arizona	21	10	95	73
DHEW REGION III TOTAL	256	284	1,332	1,335	California (Excluding LA and SF)	74	96	453	493
Alabama	21	21	102	62	Los Angeles*	157	158	806	807
Florida	275	138	1,084	721	San Francisco*	88	43	364	265
Georgia (Excluding Atlanta)	46	56	310	316	Hawaii	4	5	16	30
Atlanta*	34	28	177	236	Nevada	1	9	31	32
Kentucky	36	48	121	177	DHEW REGION IX TOTAL	345	321	1,765	1,700
Mississippi	20	24	96	175	Alaska	0	1	0	6
North Carolina	106	50	394	260	Idaho	2	1	5	6
South Carolina	75	64	310	275	Oregon	7	1	37	19
Tennessee	36	25	195	171	Washington	9	16	51	66
DHEW REGION IV TOTAL	649	454	2,789	2,393	DHEW REGION X TOTAL	18	19	93	97
Illinois (Excluding Chicago)	21	20	115	79	UNITED STATES TOTAL	2,169	2,030	10,397	10,500
Chicago	53	87	322	404	Puerto Rico	77	85	383	352
Indiana (Excluding Indianapolis)	12	7	58	99	Virgin Islands	4	3	17	15
Indianapolis*	3	10	27	36	U.S. including Territories	2,250	2,118	10,797	10,867
Michigan	28	31	163	216					
Minnesota	14	10	33	50					
Ohio	25	21	115	115					
Wisconsin	5	5	44	39					
DHEW REGION V TOTAL	161	191	877	1,038					

Note: Cumulative totals include revised and delayed reports through previous months
Source: HSM 9.98, CDC, VD Control Division, Atlanta, Ga. 30333

*County Data

CONGENITAL RUBELLA SYNDROME — United States

In the first 7 months of 1974, 3 cases of congenital rubella syndrome (CRS) in children with birthdates in 1974 were reported to CDC's National Registry for Congenital Rubella Syndrome—2 from Arizona and 1 from New York. In comparison, 24 cases were reported for all of 1973, 39 for 1972, and 52 for 1971.

Although cases with recent birthdates will continue to be diagnosed and reported, these figures represent a general decline in reported CRS cases since the establishment of the Registry in 1969 (Table 1). This decline parallels the decrease in acquired rubella and the widespread use of rubella vaccine in children and women of childbearing age.

(Reported by the Immunization Division, Bureau of State Services, CDC.)

Editorial Note

The data in the National Registry are collected by year of birth unlike those cases reported through the National Morbidity Reporting System (weekly telegraphic report).

More and more states are developing active surveillance programs for CRS, and reporting has improved steadily since

Table 1
Congenital Rubella Syndrome Cases Reported to the
National Registry by Year of Birth

Year	Cases
1969	76
1970	88
1971	52
1972	39
1973	24
1974*	3

*through July 26

1969, as evidenced by the increasing number of states actively reporting cases. Nonetheless, CRS reporting needs to be further improved. CDC will aid state health departments in developing programs for exploring and utilizing the most productive sources for case reporting. Inquiries should be directed to the Center for Disease Control, Attention: Immunization Division, Bureau of State Services, Atlanta, Georgia 30333.

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The data in this report are provisional, based on weekly telegraphs to CDC by state health departments. The reporting week concludes at close of business on Friday; compiled data on a national basis are officially released to the public on the succeeding Friday.

In addition to the established procedures for reporting morbidity and mortality, the editor welcomes accounts of interesting cases, outbreaks, environmental hazards, or other public health problems of current interest to health officials.

Address all correspondence to: Center for Disease Control
Attn: Editor
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Atlanta, Georgia 30333

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